

Balunf
a monitor, in electrical communication with the receiver, for monitoring the tire parameter by monitoring the path signal.

Sub 61
16. (Amended) The method of claim 7 further comprising an indicator [means] in electrical communication with the monitor for indicating the status of the monitored tire parameter.

17. (Amended) A system for monitoring a parameter of a tire for a vehicle, the system comprising:

a sensor, disposed within the tire, for generating a signal indicative of the pressure of the tire;

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an electromagnetic path being formed of a plurality of conductive components of the vehicle ground plane including a wheel rim for the tire, one or more wheel bearings for rotatably supporting the wheel on a non-rotating member, and the non-rotating member, the electromagnetic path having first and second ends;

a transmitter, in electrical communication with the sensor and with the electromagnetic path first end, for transmitting the generated signal along the electromagnetic path;

a receiver, in electrical communication with the electromagnetic path second end, for receiving a path signal at the electromagnetic path second end, the path signal being responsive to the generating signal; and

a monitor, in electrical communication with the receiver, for monitoring the tire parameter by monitoring the path signal.

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22. (Amended) The system [method] of claim 17 wherein the monitor includes a comparator [means] for comparing the tire pressure to a selected threshold.

23. (Amended) The [method] system of claim 17 further comprising an indicator [means] in electrical communication with the monitor for indicating the status of the monitored tire pressure.

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IN THE CLAIMS:

Please amend claims 1, 7, 16, 17, 22, and 23 as follows:

1. (Amended) A method for monitoring a parameter of a tire for a vehicle having a plurality of conductive components which form [a] an electromagnetic path with first and second ends, the method comprising the steps of:

generating a signal indicative of a parameter of the tire using a sensor disposed within the tire;

transmitting the generated signal along the electromagnetic path by introducing the generated signal to the electromagnetic path first end wherein the electromagnetic path includes a ground plane of the vehicle;

receiving a path signal at the electromagnetic path second end, the path signal being responsive to the generated signal; and

monitoring the tire parameter by monitoring the path signal.

7. (Amended) A system for monitoring a parameter of a tire for a vehicle, the system comprising:

a sensor, disposed within the tire, for generating a signal indicative of the parameter of the tire;

an electromagnetic path being formed of a plurality of conductive components of the vehicle including a ground plane of the vehicle, the electromagnetic path having first and second ends;

a transmitter, in electrical communication with the sensor and with the electromagnetic path first end, for transmitting the generated signal along the electromagnetic path;

a receiver, in electrical communication with the electromagnetic path second end, for receiving a path signal at the electromagnetic path second end, the path signal being responsive to the generating signal; and